

Friday, August 31, 2012

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BC59186 - BC59209

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/128:55Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59186

Project ID: SATIN
Client ID: P-89 (0-.5)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	88		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1221	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1232	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1242	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1248	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1254	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1260	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1262	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
PCB-1268	ND	0.38	mg/Kg	08/28/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	67		%	08/28/12	AW	30 - 150 %
% TCMX	76		%	08/28/12	AW	30 - 150 %

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Client ID: P-89 (0-.5)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

August 31, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/128:57Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59187

Project ID: SATIN
Client ID: P-89 (.5-1)

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 87 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/24/12 MB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.38 ΑW 3540C/8082 mg/Kg 08/27/12 PCB-1221 ND 0.38 08/27/12 ΑW 3540C/8082 mg/Kg PCB-1232 08/27/12 3540C/8082 ND 0.38 mg/Kg AW PCB-1242 ND 0.38 08/27/12 ΑW 3540C/8082 mg/Kg 08/27/12 3540C/8082 PCB-1248 ND 0.38 mg/Kg AW PCB-1254 ND 0.38 mg/Kg 08/27/12 AW 3540C/8082 ND 08/27/12 3540C/8082 PCB-1260 0.38 mg/Kg AW 3540C/8082 PCB-1262 ND 0.38 08/27/12 AW mg/Kg PCB-1268 ND 0.38 mg/Kg 08/27/12 ΑW 3540C/8082 **QA/QC Surrogates** % DCBP 76 % 08/27/12 AW 30 - 150 % 30 - 150 % 74 % 08/27/12 AW % TCMX

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Client ID: P-89 (.5-1)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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August 31, 2012

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Custody Information Sample Information Date Time Matrix: SOIL Collected by: 08/21/12 9:00 Location Code: LBG-PCB Received by: 08/23/12 SW 15:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Project ID: SATIN Client ID: P-89 (1-2) _aboratory Data

SDG ID: GBC59186 Phoenix ID: BC59188

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082

PCB-1242 ND 0.36 mg/Kg 08/27/12 ΑW 3540C/8082 ND 08/27/12 PCB-1248 0.36 mg/Kg ΑW 3540C/8082 PCB-1254 ND 0.36 mg/Kg 08/27/12 AW 3540C/8082 08/27/12 3540C/8082 PCB-1260 ND 0.36 mg/Kg AW 3540C/8082 PCB-1262 ND 0.36 mg/Kg 08/27/12 ΑW PCB-1268 ND 0.36 mg/Kg 08/27/12 ΑW 3540C/8082 **QA/QC Surrogates** % DCBP 81 % 08/27/12 AW 30 - 150 % 72 % 08/27/12 30 - 150 % % TCMX

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Client ID: P-89 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:03Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#:

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59189

Project ID: SATIN

Client ID: P-89 (2-2.7)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1254	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1260	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	78		%	08/27/12	AW	30 - 150 %
% TCMX	73		%	08/27/12	AW	30 - 150 %

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Client ID: P-89 (2-2.7)

RL/

Parameter Result PQL Units Date/Time By Reference

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:20Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u>

SDG ID: GBC59186

Phoenix ID: BC59190

Project ID: SATIN
Client ID: P-90 (0-.5)

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	87		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1242	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1248	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1254	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1260	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1262	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1268	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	80		%	08/27/12	AW	30 - 150 %
% TCMX	76		%	08/27/12	AW	30 - 150 %

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Client ID: P-90 (0-.5)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:21Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59191

Project ID: SATIN

Client ID: P-90 (0.5-1.0)

RL/

		KL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	89		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1242	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1248	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1254	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1260	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1262	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
PCB-1268	ND	0.37	mg/Kg	08/27/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	78		%	08/27/12	AW	30 - 150 %
% TCMX	75		%	08/27/12	AW	30 - 150 %

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Client ID: P-90 (0.5-1.0)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:22Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59192

Project ID: SATIN
Client ID: P-90 (1-2)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	89		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	79		%	08/27/12	AW	30 - 150 %
% TCMX	76		%	08/27/12	AW	30 - 150 %

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Client ID: P-90 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:23Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59193

Project ID: SATIN
Client ID: P-90 (2-3)

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	08/27/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	79		%	08/27/12	AW	30 - 150 %
% TCMX	69		%	08/27/12	AW	30 - 150 %

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Client ID: P-90 (2-3)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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August 31, 2012

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:24Location Code:LBG-PCBReceived by:SW08/23/1215:48Rush Request:StandardApplying by:applying by:<td

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59194

Project ID: SATIN

P.O.#:

Client ID: P-90 (3-3.6)

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 92 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/24/12 MB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.35 ΑW 3540C/8082 mg/Kg 08/27/12 PCB-1221 ND 0.35 08/27/12 ΑW 3540C/8082 mg/Kg PCB-1232 08/27/12 3540C/8082 ND 0.35 mg/Kg AW PCB-1242 ND 0.35 08/27/12 ΑW 3540C/8082 mg/Kg 08/27/12 3540C/8082 PCB-1248 ND 0.35 mg/Kg AW PCB-1254 ND 0.35 mg/Kg 08/27/12 AW 3540C/8082 08/27/12 3540C/8082 PCB-1260 ND 0.35 mg/Kg AW 3540C/8082 PCB-1262 ND 0.35 08/27/12 AW mg/Kg PCB-1268 ND 0.35 mg/Kg 08/27/12 ΑW 3540C/8082 **QA/QC Surrogates** % DCBP 86 % 08/27/12 AW 30 - 150 % 30 - 150 % 66 % 08/27/12 AW % TCMX

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Client ID: P-90 (3-3.6)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:30Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

79

Laboratory Data

SDG ID: GBC59186

30 - 150 %

MH

Phoenix ID: BC59195

Project ID: SATIN
Client ID: P-90 (5-6)

P.O.#:

% TCMX

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 87 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/24/12 MB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.38 08/28/12 MH 3540C/8082 mg/Kg PCB-1221 ND 0.38 08/28/12 MH 3540C/8082 mg/Kg PCB-1232 08/28/12 3540C/8082 ND 0.38 mg/Kg MH PCB-1242 ND 0.38 08/28/12 МН 3540C/8082 mg/Kg 08/28/12 3540C/8082 PCB-1248 ND 0.38 mg/Kg MH 08/28/12 PCB-1254 ND 0.38 mg/Kg MH 3540C/8082 ND 08/28/12 3540C/8082 PCB-1260 0.38 mg/Kg МН 3540C/8082 PCB-1262 ND 0.38 08/28/12 МН mg/Kg PCB-1268 ND 0.38 mg/Kg 08/28/12 МН 3540C/8082 **QA/QC Surrogates** % DCBP 84 % 08/28/12 MH 30 - 150 %

%

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08/28/12

Client ID: P-90 (5-6)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Matrix: SOIL Collected by: 08/21/12 9:31 LBG-PCB Received by: Location Code: SW 08/23/12 15:48 Standard Analyzed by:

Rush Request: see "By" below

_aboratory Data

SDG ID: GBC59186

Phoenix ID: BC59196

Project ID: SATIN Client ID: P-90 (6-7)

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 96 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/24/12 MB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.34 ΑW 3540C/8082 mg/Kg 08/27/12 PCB-1221 ND 0.34 08/27/12 ΑW 3540C/8082 mg/Kg PCB-1232 08/27/12 3540C/8082 ND 0.34 mg/Kg AW PCB-1242 ND 0.34 08/27/12 ΑW 3540C/8082 mg/Kg 08/27/12 3540C/8082 PCB-1248 ND 0.34 mg/Kg AW PCB-1254 ND 0.34 mg/Kg 08/27/12 AW 3540C/8082 ND 08/27/12 3540C/8082 PCB-1260 0.34 mg/Kg AW 3540C/8082 PCB-1262 ND 0.34 08/27/12 AW mg/Kg PCB-1268 ND 0.34 mg/Kg 08/27/12 ΑW 3540C/8082 **QA/QC Surrogates** % DCBP 85 % 08/27/12 AW 30 - 150 % 30 - 150 % 60 % 08/27/12 AW % TCMX

> Page 21 of 48 Ver 1

Project ID: SATIN Phoenix I.D.: BC59196
Client ID: P-90 (6-7)

, ,

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

RL/

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

August 31, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:32Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59197

Project ID: SATIN Client ID: P-90 (7-8)

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1254	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1260	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	08/28/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	65		%	08/28/12	AW	30 - 150 %
% TCMX	76		%	08/28/12	AW	30 - 150 %

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Client ID: P-90 (7-8)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:40Location Code:LBG-PCBReceived by:SW08/23/1215:48Rush Request:StandardApplying by:applying by:applying by:applying by:

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59198

Project ID: SATIN Client ID: P-91 (0-.5)

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 91 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/24/12 MB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.36 08/28/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.36 08/28/12 ΑW 3540C/8082 mg/Kg PCB-1232 08/28/12 3540C/8082 ND 0.36 mg/Kg AW PCB-1242 ND 0.36 08/28/12 ΑW 3540C/8082 mg/Kg ND 08/28/12 3540C/8082 PCB-1248 0.36 mg/Kg AW 08/28/12 3540C/8082 PCB-1254 0.36 mg/Kg AW 08/28/12 3540C/8082 PCB-1260 0.36 mg/Kg AW PCB-1262 ND 0.36 08/28/12 AW 3540C/8082 mg/Kg PCB-1268 ND 0.36 mg/Kg 08/28/12 ΑW 3540C/8082 Total PCBs 0.67 0.36 08/28/12 3540C/8082 mg/Kg ΑW **QA/QC Surrogates** 71 08/28/12 AW 30 - 150 % % DCBP % 74 % 08/28/12 AW 30 - 150 % % TCMX

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Client ID: P-91 (0-.5)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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^{*} For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260.



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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:41Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59199

Project ID: SATIN
Client ID: P-91 (.5-1)

RL/ **PQL** Units Date/Time Parameter Result Βv Reference Percent Solid 96 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/24/12 MB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.34 ΑW 3540C/8082 mg/Kg 08/27/12 PCB-1221 ND 0.34 08/27/12 ΑW 3540C/8082 mg/Kg PCB-1232 08/27/12 3540C/8082 ND 0.34 mg/Kg AW PCB-1242 ND 0.34 08/27/12 ΑW 3540C/8082 mg/Kg 08/27/12 3540C/8082 PCB-1248 ND 0.34 mg/Kg AW PCB-1254 ND 0.34 mg/Kg 08/27/12 AW 3540C/8082 ND 08/27/12 3540C/8082 PCB-1260 0.34 mg/Kg AW 3540C/8082 PCB-1262 ND 0.34 08/27/12 AW mg/Kg PCB-1268 ND 0.34 mg/Kg 08/27/12 ΑW 3540C/8082 **QA/QC Surrogates** % DCBP 92 % 08/27/12 AW 30 - 150 % 30 - 150 % 70 % 08/27/12 AW % TCMX

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Client ID: P-91 (.5-1)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:42Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u>

SDG ID: GBC59186

Reference

Phoenix ID: BC59200

Date/Time

Project ID: SATIN
Client ID: P-91 (1-2)

P.O.#:

Parameter Result PQL
Percent Solid 97

Percent Solid	97		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1242	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1248	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1254	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1260	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1262	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
PCB-1268	ND	0.34	mg/Kg	08/27/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	84		%	08/27/12	AW	30 - 150 %
% TCMX	76		%	08/27/12	AW	30 - 150 %

Units

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Client ID: P-91 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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August 31, 2012

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:43Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59201

Project ID: SATIN
Client ID: P-91 (2-3)

P.O.#:

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Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1254	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1260	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	08/27/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	08/27/12	AW	30 - 150 %
% TCMX	74		%	08/27/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC59201
Client ID: P-91 (2-3)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:45Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59202

Project ID: SATIN
Client ID: P-91 (5-6)

P.O.#:

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Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	92		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	08/28/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	74		%	08/28/12	AW	30 - 150 %
% TCMX	90		%	08/28/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC59202
Client ID: P-91 (5-6)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:46Location Code:LBG-PCBReceived by:SW08/23/1215:48Rush Request:StandardApplying the law:

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59203

Project ID: SATIN Client ID: P-91 (6-7)

P.O.#:

RL/

		1 \ L/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	81		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/24/12	MB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1221	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1232	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1242	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1248	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1254	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1260	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1262	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
PCB-1268	ND	0.41	mg/Kg	08/28/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	67		%	08/28/12	AW	30 - 150 %
% TCMX	78		%	08/28/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC59203
Client ID: P-91 (6-7)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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August 31, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:47Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

P.O.#: Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59204

Project ID: SATIN
Client ID: P-91 (7-8)

RL/

		INL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	75		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/26/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.43	mg/Kg	08/28/12	МН	3540C/8082
PCB-1221	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
PCB-1232	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
PCB-1242	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
PCB-1248	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
PCB-1254	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
PCB-1260	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
PCB-1262	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
PCB-1268	ND	0.43	mg/Kg	08/28/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	79		%	08/28/12	MH	30 - 150 %
% TCMX	77		%	08/28/12	MH	30 - 150 %

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Client ID: P-91 (7-8)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Collected by: Matrix: SOIL 08/21/12 9:55 Received by: Location Code: LBG-PCB SW 08/23/12 15:48

see "By" below Rush Request: Standard Analyzed by:

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59205

SATIN Project ID: Client ID: P-92 (0-.5)

P.O.#:

RI/

		INL/					
Parameter	Result	PQL	Units	Date/Time	Ву	Reference	
Percent Solid	85		%	08/23/12	JL	E160.3	
Extraction for PCB	Completed			08/26/12	BB/K	SW3540C	
PCB (Soxhlet)							
PCB-1016	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1221	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1232	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1242	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1248	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1254	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1260	0.52	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1262	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
PCB-1268	ND	0.38	mg/Kg	08/28/12	MH	3540C/8082	
QA/QC Surrogates							
% DCBP	87		%	08/28/12	MH	30 - 150 %	
% TCMX	91		%	08/28/12	MH	30 - 150 %	

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Client ID: P-92 (0-.5)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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August 31, 2012

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:56Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59206

Project ID: SATIN
Client ID: P-92 (.5-1)

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/26/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	08/28/12	МН	3540C/8082
PCB-1221	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	78		%	08/28/12	MH	30 - 150 %
% TCMX	76		%	08/28/12	MH	30 - 150 %

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Client ID: P-92 (.5-1)

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 31, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:57Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59207

Project ID: SATIN Client ID: P-92 (1-2)

P.O.#:

RL/

		I (L)				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	95		%	08/23/12	JL	E160.3
Extraction for PCB	Completed			08/26/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1221	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	08/28/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	81		%	08/28/12	MH	30 - 150 %
% TCMX	82		%	08/28/12	MH	30 - 150 %

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Client ID: P-92 (1-2)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 31, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:08/21/129:58Location Code:LBG-PCBReceived by:SW08/23/1215:48

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC59186

Phoenix ID: BC59208

Project ID: SATIN
Client ID: P-92 (2-3)

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	95	%		08/23/12	JL	E160.3
Extraction for PCB	Completed			08/26/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	08/28/12	МН	3540C/8082
PCB-1221	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	08/28/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	79		%	08/28/12	MH	30 - 150 %
% TCMX	74		%	08/28/12	MH	30 - 150 %

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Client ID: P-92 (2-3)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 31, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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Analysis Report

August 31, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Matrix: SOIL Collected by: 08/21/12 9:59 LBG-PCB Received by: 08/23/12 Location Code: SW 15:48 Rush Request: Standard Analyzed by: see "By" below

_aboratory Data

SDG ID: GBC59186

Phoenix ID: BC59209

Project ID: SATIN

P.O.#:

Client ID: P-92 (3-3.8)

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 94 % 08/23/12 E160.3 JL Extraction for PCB Completed 08/26/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.35 08/28/12 MH 3540C/8082 mg/Kg PCB-1221 ND 0.35 08/28/12 MH 3540C/8082 mg/Kg PCB-1232 08/28/12 3540C/8082 ND 0.35 mg/Kg MH PCB-1242 ND 0.35 08/28/12 МН 3540C/8082 mg/Kg 08/28/12 3540C/8082 PCB-1248 ND 0.35 mg/Kg MH 08/28/12 PCB-1254 ND 0.35 mg/Kg MH 3540C/8082 ND 08/28/12 3540C/8082 PCB-1260 0.35 mg/Kg МН 3540C/8082 PCB-1262 ND 0.35 08/28/12 МН mg/Kg PCB-1268 ND 0.35 mg/Kg 08/28/12 MH 3540C/8082 **QA/QC Surrogates** % DCBP 76 % 08/28/12 MH 30 - 150 % 30 - 150 % 76 % 08/28/12 MH % TCMX

> Page 47 of 48 Ver 1

Client ID: P-92 (3-3.8)

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 31, 2012

Reviewed and Released by: Maryam Taylor, Project Manager

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QA/QC Report

August 31, 2012

QA/QC Data

SDG I.D.: GBC59186

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	Rec Limits	RPD Limits					
QA/QC Batch 207924, QC Sample No: BC59206 (BC59204, BC59205, BC59206, BC59207, BC59208, BC59209)														
Polychlorinated Biphenyls - Soil														
PCB-1016	ND	73	84	14.0	71	75	5.5	40 - 140	30					
PCB-1221	ND							40 - 140	30					
PCB-1232	ND							40 - 140	30					
PCB-1242	ND							40 - 140	30					
PCB-1248	ND							40 - 140	30					
PCB-1254	ND							40 - 140	30					
PCB-1260	ND	66	73	10.1	76	77	1.3	40 - 140	30					
PCB-1262	ND							40 - 140	30					
PCB-1268	ND							40 - 140	30					
% DCBP (Surrogate Rec)	66	63	67	6.2	59	62	5.0	30 - 150	30					
% TCMX (Surrogate Rec)	68	64	72	11.8	69	72	4.3	30 - 150	30					
	Sample No: BC60013 (BC59186 9195, BC59196, BC59197, BC591								2,					
Polychlorinated Biph	<u>nenyls - Soil</u>													
PCB-1016	ND	77	83	7.5	78	83	6.2	40 - 140	30					
PCB-1221	ND							40 - 140	30					
PCB-1232	ND							40 - 140	30					
PCB-1242	ND							40 - 140	30					
PCB-1248	ND							40 - 140	30					
PCB-1254	ND							40 - 140	30					
PCB-1260	ND	77	82	6.3	76	78	2.6	40 - 140	30					
PCB-1262	ND							40 - 140	30					
PCB-1268	ND							40 - 140	30					
% DCBP (Surrogate Rec)	88	82	87	5.9	71	76	6.8	30 - 150	30					
% TCMX (Surrogate Rec)	91	85	90	5.7	68	76	11.1	30 - 150	30					

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

August 31, 2012

Friday, August 31, 2012

Sample Criteria Exceedences Report

GBC59186 - LBG-PCB

State: CT

Requested Criteria: GBM, RC

RLAnalysis SampNo Acode Phoenix Analyte Criteria Result RL Criteria Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Page 1 of 1

^{***} No Data to Display ***

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BC59186, BC59187, BC59188, BC59189, BC59190, BC59191, BC59192, BC59193, BC59194, BC59195, BC59196, BC59197, BC59198, BC59199, BC59200, BC59201, BC59202, BC59203, BC59204, BC59205, BC59206, BC59207, BC59208, BC59209 **Sampling Date(s):** 8/21/2012 **RCP Methods Used:** 6010 1311/1312 7000 7196 7470/7471 8081 ☐ EPH TO15 **✓** 8082 8270 9010/9012 □ VPH 8151 8260 ETPH For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No □ NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes No. Were these reporting limits met? 5b. ✓ Yes □ No □ NA For each analytical method referenced in this laboratory report package, were results 6. ✓ Yes □ No □ NA reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? 7. ✓ Yes □ No □ NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Friday, August 31, 2012 Authorized Printed Name: Maryam Taylor Signature:

Position: Project Manager



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

August 31, 2012

SDG I.D.: GBC59186

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: <u>Au-ecd24 08/27/12-1 (BC59199, BC59200, BC59201)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/27/2012

Instrument: <u>Au-ecd24 08/28/12-1 (BC59198)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/28/2012

Instrument: Au-ecd35 08/27/12-1 (BC59187, BC59188, BC59189, BC59190, BC59191,

BC59192, BC59193, BC59194, BC59196)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/27/2012

Instrument: Au-ecd5 08/27/12-1 (BC59186, BC59197)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none



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RCP Certification Report

August 31, 2012

SDG I.D.: GBC59186

Printed Name Adam Werner Position: Chemist Date: 8/27/2012

Instrument: Au-ecd6 08/28/12-1 (BC59202, BC59203)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/28/2012

Instrument: Au-ecd8 08/27/12-1 (BC59187, BC59188, BC59189, BC59190, BC59191, BC59192,

BC59193)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 8/27/2012

Instrument: Au-ecd8 08/28/12-1 (BC59195, BC59204, BC59205, BC59206, BC59207, BC59208,

BC59209)

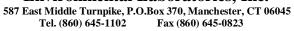
8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 8/28/2012







RCP Certification Report

August 31, 2012

SDG I.D.: GBC59186

QC (Site Specific) Sample No: BC59206, QA/QC Batch: 207924
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria. QC (Batch Specific) Sample No: BC60013, QA/QC Batch: 207903
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD DDDs were less than 2004 with the following executions; None

Phoenix Std Report Full Data Package* 00 Tier II Checklist ٥ Data Package Excel
PDF
GIS/Key Data Format ☐ EQuis Other 1) jones @ MA MCP Certification MWRA eSMART Project P.O: Phone #: Fax#: ☐ GW-2 ☐ GW-1 ☐ GW-3 Data Delivery: S-5 S-Mos Hos 15 Email: ⊋ Residential DEC SW Protection GA Mobility S GB Mobility ☐ I/C DEC Other 0000 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726 RI Direct Exposure CHAIN OF CUSTODY RECORD (Residential) De Calach ☐ Other M9 □ Invoice to: Report to: 3 Days*
Standard
Other Analysis Request Project: ☐ 1 Day*
☐ 2 Days* Turnaround: Date: 855 Sampled 37-12 857 3 930 M 963 7.2% 926 422 226 Matrix Code:

DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water لت X 130 8-21-12 Date Sampled W=Wipe O=Other Date: Client Sample - Information - Identification CXC CITIES Sample Matrix Factoring han 7 Environmental Laboratories, Inc. Comments, Special Requirements or Regulations: Accepted by: P-89(2-2.9) 2-90(S-1.0) BGIL S=Soil/Solid P-40(3-36 8-4) Ob d Customer Sample P-90(6-7) P90(0-15) P-90(1-6) P&9 (6-19 P-8-11.5-1 2-1/158-d Identification 5-2)06-2 P-901 SE=Sediment SL=Sludge PHOENIX USE ONLY Relinquished by Customer: Address: SAMPLE ; Sampler's Signature

* SURCHARGE APPLIES

State where samples were collected:

* SURCHARGE APPLIES

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RECORD		上技人		,				37.725										1000			_	Direct Exposure RRCP Cert (Residential)	W Sw Protection		<u>M</u>	K Residential DEC	I/C DEC Other	State where samples were collected:
CUSTODY RE	. Box 370, Manch. .com Fax (860) s (860) 645-8	245	De so ch	12	100					AND ASSESSMENT OF THE PROPERTY											준	5.36 Dir						
CHAIN OF CU	587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 Client Services (860) 645-8726	Project:	Report to:	Invoice to:	A A A A A A A A A A A A A A A A A A A	Analysis Request		Bir	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\												Date: Time:	812412 12	101.00		Turnaround:	1 Day*	2 Days* 3 Days* ** Standard	Other * SURCHARGE APPLIES
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	JEM.	387	૭	Š	Client Sample		er GW=Ground L=Sludge S=	Customer Sample Identification) Pag	7897)16-d	<u>2-9</u>	D all	500	100	76-4	25-d	D.97	P-42 (2-3	12b d		15	Company of the Compan		Requirements			
	Environme	Customer:	Address:			Sampler's Signature	Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste SE=Sediment SL=Sludge S=Soll/Solid W=Wipe O=Other	PHOENIX USE ONLY SAMPLE #	26/1/25	150109	300	100g	Sind	1000	1000	×9203	ands.	ACC ACC	Segans	5/01/2	Relinquished by:	1 - 1 TW	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		Comments, Special Requirements or Regulations:			